

## Protecting Our Water Environment

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### Metropolitan Water Reclamation District of Greater Chicago

100 EAST ERIE STREET

CHICAGO, ILLINOIS 60611-3154

312.751.5600

## INDUSTRIAL USER DISCHARGE AUTHORIZATION

User Number: 11138

Discharge Authorization No. 11138-5

In accordance with the provisions of Appendix D of the Sewage and Waste Control Ordinance (Ordinance) of the Metropolitan Water Reclamation District of Greater Chicago (District),

Belmont Plating Works, Inc.  
3410 North River Road  
Franklin Park, IL 60131

**FILE**


is hereby authorized to discharge process wastewater from the above identified facility and through the outfalls identified herein into the sewerage system of the District, in accordance with the conditions set forth in this authorization and the Ordinance. Compliance with this authorization does not relieve the discharger of its obligation to comply with any standards or requirements under local, state and federal laws, including any such regulations, standards, requirements or laws that may become effective during the term of this authorization.

Noncompliance with any term or condition of this authorization shall constitute a violation of the Ordinance and may constitute grounds for revocation of this authorization.

This authorization shall become effective on February 15, 2012, and shall expire at 11:59 p.m. on February 14, 2017.

If the discharger wishes to continue to discharge after the expiration date of this authorization, an application must be filed for a renewal of the authorization in accordance with the requirements of Appendix D of the Ordinance, a minimum of 90 days prior to the expiration date.

Witnessed: February 15, 2012  
Metropolitan Water Reclamation  
District of Greater Chicago  
David St. Pierre  
Executive Director

By:   
Mathew Joseph  
Assistant Director of Monitoring and Research  
Industrial Waste Division

MJ:RR:lk  
U11138/EA88749/#1151

**SECTION A. SPECIAL CONDITIONS**

**Special Condition 1, Discharge Volume:** The wastewater discharges at the indicated sampling point shall not exceed the following flow volume limits:

Sampling Point	Wastewater Discharge	Average Flow (GPD)	Maximum Flow (GPD)	Flow Type
<i>Regulated Process</i>				
2A	ELECTROPLATING WASTEWATER	115,700	205,800	Continuous
2A	METAL FINISHING WASTEWATER	22,800	39,200	Continuous
<i>Unregulated Process</i>				
2A	NONE	0	0	None
<i>Dilutional</i>				
2A	SANITARY, BOILER MAKEUP	12,500	15,000	Continuous
Total:		151,000	260,000	

**Special Condition 2, Monitoring Requirements:** The discharger shall sample at the sampling point indicated in Special Condition 1, for a minimum of 3 days within a two-week period and shall submit the analytical results of the samples together with the RD-115s due on or before the following date of each year:

\*\*\*April 27\*\*\*

The District shall sample at the sampling point indicated in Special Condition 1, for a minimum of 3 days within a two-week period and will provide sampling analysis results for your use in completing the Continued Compliance Reports (RD-115s) due on or before the following date of each year:

\*\*\*October 27\*\*\*

All samples must be representative of daily operations and must be collected in accordance with the General Pretreatment Regulations for Existing and New Sources of Pollution at 40 CFR 403.12(g). For hexavalent chromium, pH, cyanide, and FOG, grab samples must be obtained for each day. For all other parameters, 24-hour composite samples must be obtained through flow-proportional sampling techniques.

Sampling points which do not contain either regulated or unregulated process wastewater, as established in Special Condition 1 of this DA, are exempt from the sampling requirements of the RD-115s, provided that a certification is submitted with each RD-115. The certification must be on company letterhead and signed by a company official, attesting that at no time during the reporting period was process wastewater discharged through the sampling points for which the sampling exemption is requested.

**Special Condition 3, Effluent Limits:** The wastewater discharges at the indicated sampling point shall not exceed the following local effluent limits at any time. The wastewater discharges at the indicated sampling point shall not exceed the following federal effluent limits in any sample representative of a 24-hour daily discharge. Failure to maintain compliance with these limitations is considered a violation of this Discharge Authorization and the Ordinance.

**Sample Point 2A: Manhole Located In King St., Approximately 60 Feet Downstream of Outlet No. 1A**

Regulated Category: Electroplating (40 CFR 413, A.14.g, Electroplating of Common Metals)

Regulated Category: Electroplating (40 CFR 413, A.14.c, Electroplating of Common Metals)

Regulated Category: Metal Finishing (40 CFR 433, A.17.a, Metal Finishing)

Combined Wastestream Formula Factor: 0.92

Pollutant	At Any Time (Local Limits)	Daily Maximum*	Monthly Average*	Units	Minimum Sampling Frequency	RD-115 Report Frequency	RD-115 Sample Type
Cadmium	2.0	0.94	0.39	mg/L	Semi-annually	Semi-annually	Composite
Chromium (total)	25.0	5.78	2.17	mg/L	Semi-annually	Semi-annually	Composite
Copper	3.0	3.00	1.69	mg/L	Semi-annually	Semi-annually	Composite
Cyanide (total)	5.0	1.64	0.52	mg/L	Semi-annually	Semi-annually	Grab
Fats, Oils & Greases, Total	250.0	NA	NA	mg/L	Semi-annually	Semi-annually	Grab
Hexavalent Chromium (Cr6+)	10.0	NA	NA	mg/L	Semi-annually	Semi-annually	Grab
Iron	250.0	NA	NA	mg/L	Semi-annually	Semi-annually	Composite
Lead	0.5	0.50	0.29	mg/L	Semi-annually	Semi-annually	Composite
Mercury**	0.0025	0.001	0.0005	mg/L	Semi-annually	Semi-annually	Composite
Nickel	10.0	3.74	1.74	mg/L	Semi-annually	Semi-annually	Composite
pH	5.0 - 10.0	NA	NA	s.u.	Semi-annually	Semi-annually	Grab
Silver	NA	0.39	0.22	mg/L	Semi-annually	Semi-annually	Composite
Total Metals	NA	9.63	4.59	mg/L	Semi-annually	Semi-annually	Composite
TTO***	NA	1.95	NA	mg/L	Semi-annually	Semi-annually	Composite
Zinc	15.0	3.61	1.60	mg/L	Semi-annually	Semi-annually	Composite

\* All daily maximum and monthly average limits, except for mercury, are federal categorical effluent limits.

\*\* Mercury grab sample limit is 0.0025 mg/L.

\*\*\* Total Toxic Organics (TTO) is the summation of all quantifiable values greater than 0.01 mg/L for the toxic organics list for the regulated category.

Pollutant	At Any Time (Local Limits)	Daily Maximum	Monthly Average	Units	Minimum Sampling Frequency	RD-920* Report Frequency	RD-920 Sample Type
Suspended Solids**	NA	NA	NA		Annually	Annually	NA
Biochemical Oxygen Demand**	NA	NA	NA		Annually	Annually	NA

\* RD-920 - User Charge Certified Sampling Analysis Reporting Statement is due within 30 days of the completion of the user charge sampling program.

\*\* The referenced BOD and TSS sampling and reporting requirements are not applicable for Industrial Users approved to use the reporting options described in Sections 7g, 7h or 7i of the District's User Charge Ordinance.

**Special Condition 4, Compliance Status:**

At the time of issuance of this DA, your facility was not the subject of any unresolved enforcement actions issued by the District.

**Special Condition 5, Slug Control, Containment, and Countermeasure Plan**

In accordance with Article V, Section 4 of the District's Sewage and Waste Control Ordinance (Ordinance), you are required to provide protection from accidental discharge to the sewerage system of prohibited materials or other substances regulated by this Ordinance. Facilities to prevent such discharge shall be provided and maintained at your own cost and expense. Additionally, you must have detailed plans on file at the District showing facilities and operating procedures to provide this protection. Plans shall contain all elements required under 40 CFR 403.8(f)(2)(vi) and shall be approved by the District prior to construction of new facilities. Plans and facilities previously approved by the District shall be reevaluated by the District at least once every two years and must be modified by the industrial user upon a determination by the Director of Monitoring and Research that modifications are necessary. Plans shall be certified by a Registered Professional Engineer licensed by the state of Illinois. You shall immediately notify the District of any changes at your facility affecting the approved plan or the potential for a slug discharge.